

### The Sacramento Valley

Like a human fingerprint, California's Sacramento Valley is truly unique.
On the leading edge of ecological and economical sustainability, it's also an **exceptional** place to live, work and raise a family.

The Sacramento Valley joins together a world renowned mosaic of natural abundance: productive farmlands, wildlife refuges and managed wetlands, cities and rural communities, and meandering rivers that support and feed fisheries and natural habitats.

Through **efficient** management of the region's water resources, the Sacramento Valley will continue to provide what's **essential** to California's future success and prosperity. Nourishment and sustenance from the fields, habitats for fish and wildlife, recreation and a special quality of life—the Sacramento Valley is home to all of this, and more...



### Sacramento Valley

Habitat for 50% of the threatened and endangered species in California, including the winter-run and spring-run salmon, steelhead and manyother fish species.

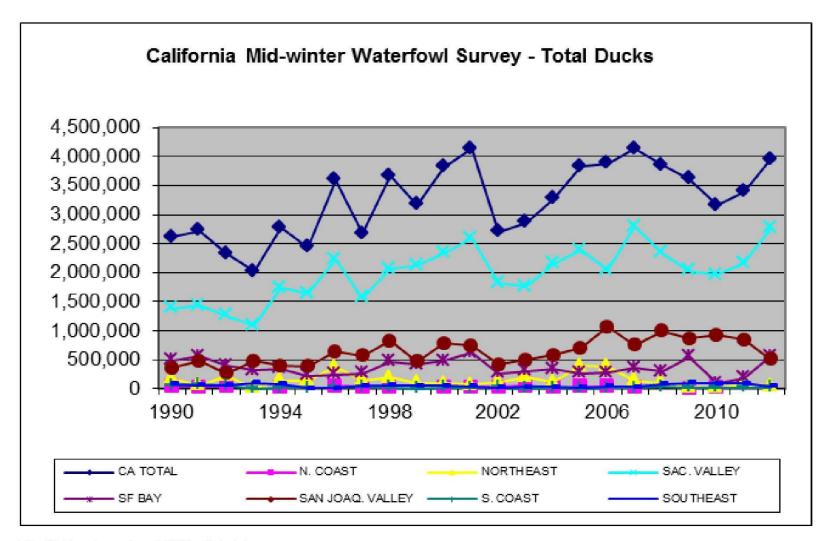
### Sacramento Valley

Six National Wildlife Refuges, more than fifty state Wildlife Areas and other privately managed wetlands that support the annual migration of waterfowl, geese and shore birds in the Pacific Flyway. These seasonal and permanent wetlands provide 65% of the **North American Waterfowl Management** Plan objectives;

# Pacific Flyway -Waterfowl and Wildlife Improvement Programs

- Resource of international significance
- Assure water for ricelands, refuges
- Promote Joint Habitat Venture <u>www.centralvalleyjointventure.org</u>



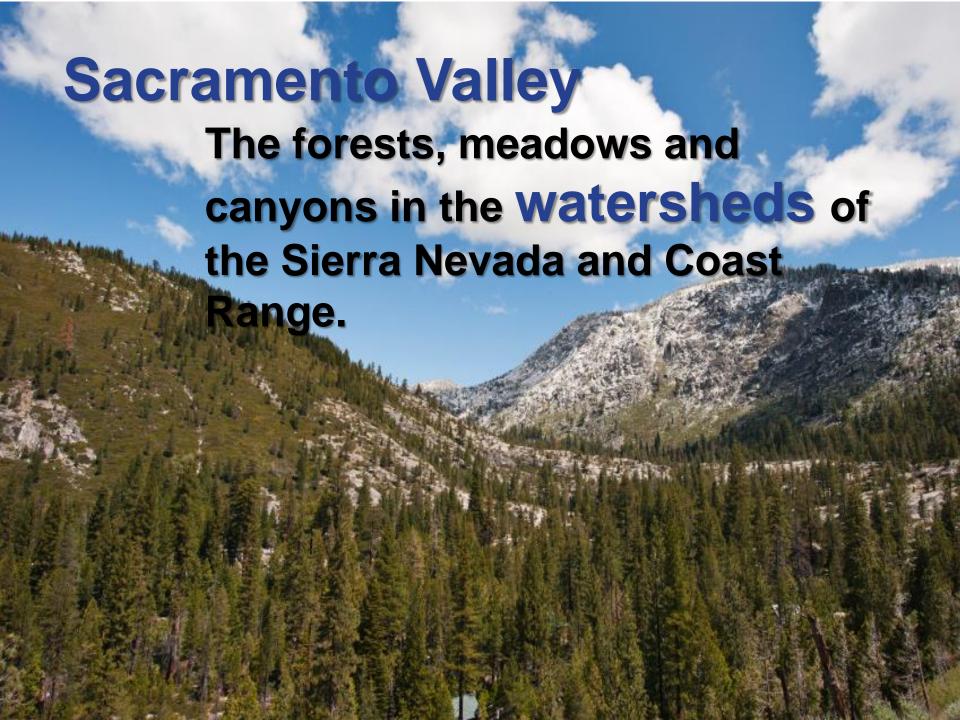


Mike Wolder, Supervisory Wildlife Biologist Sacramento National Wildlife Refuge Complex

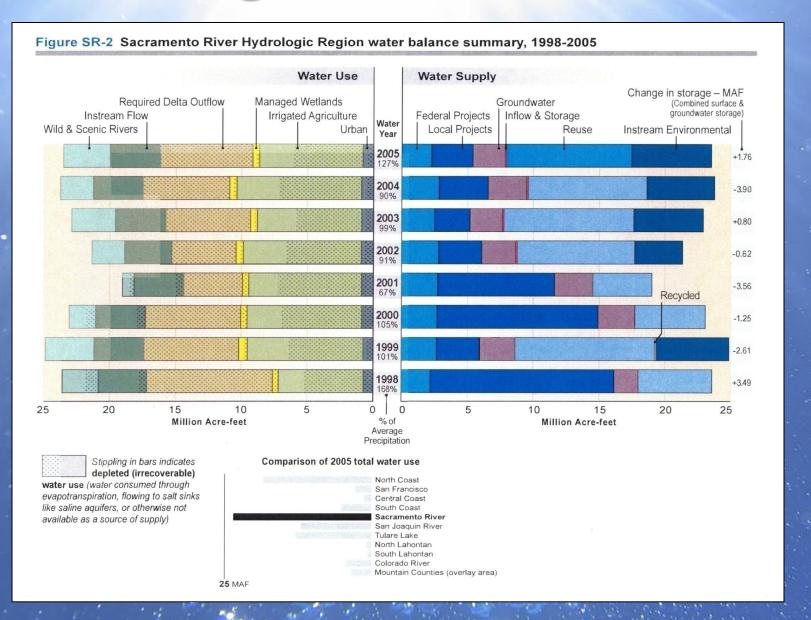
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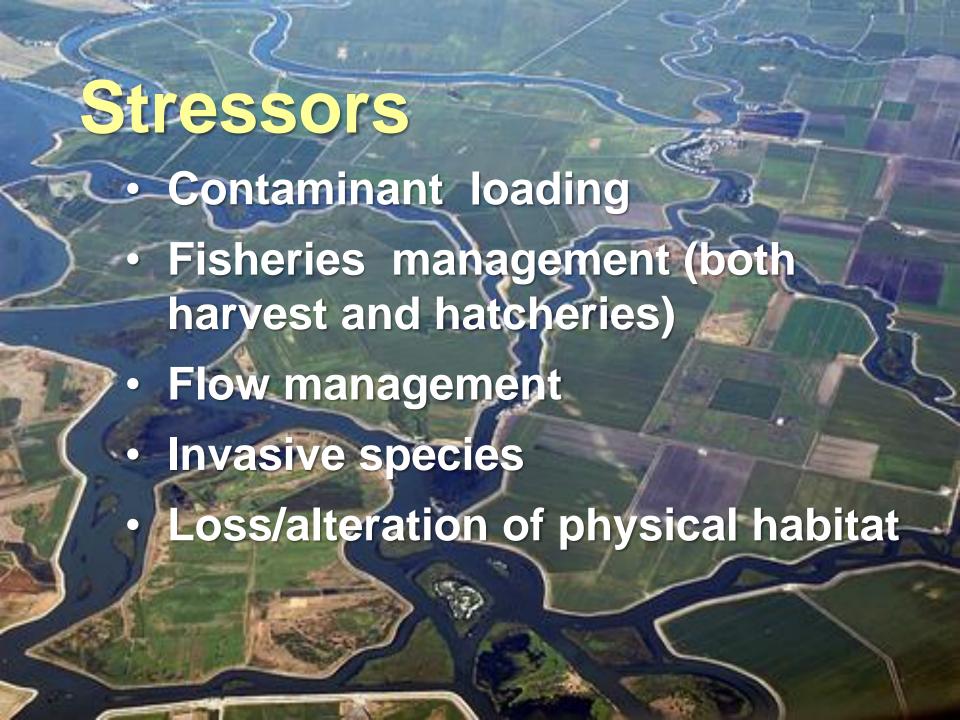
The small towns and rural communities that form the backbone of the region, as well as the State Capital that serves as the center of government for the State of California.



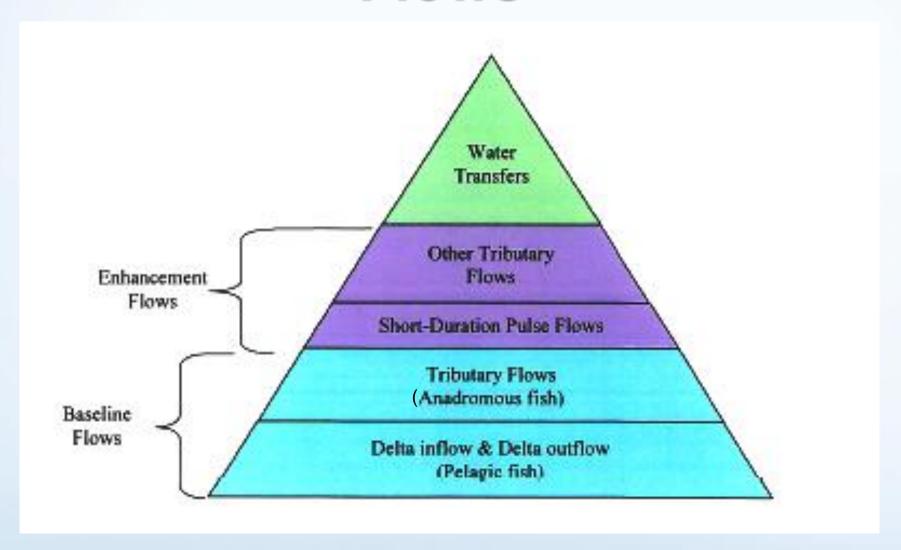


### A Region in Balance

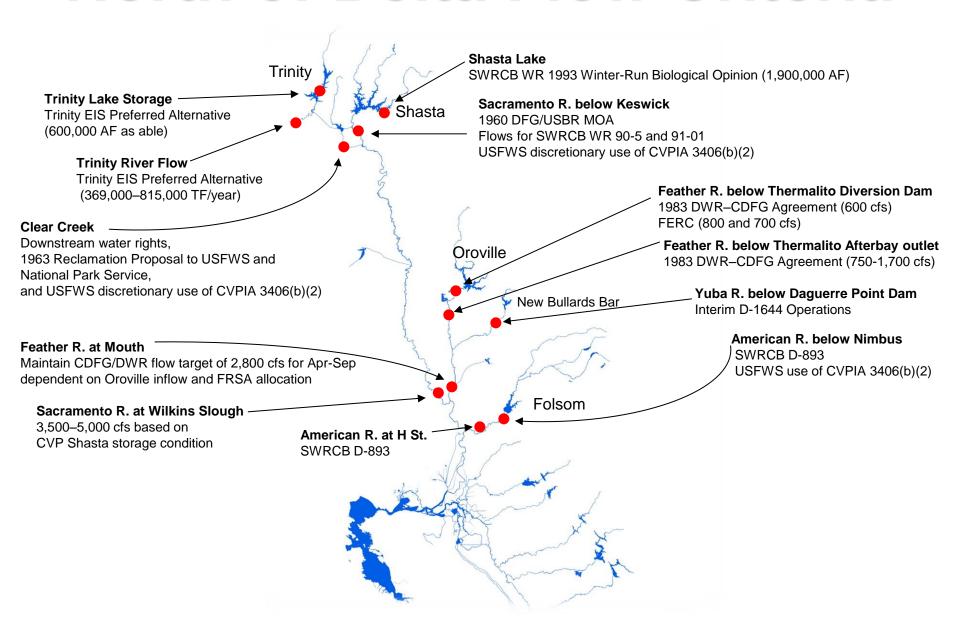




## State of the Art Instream Flows

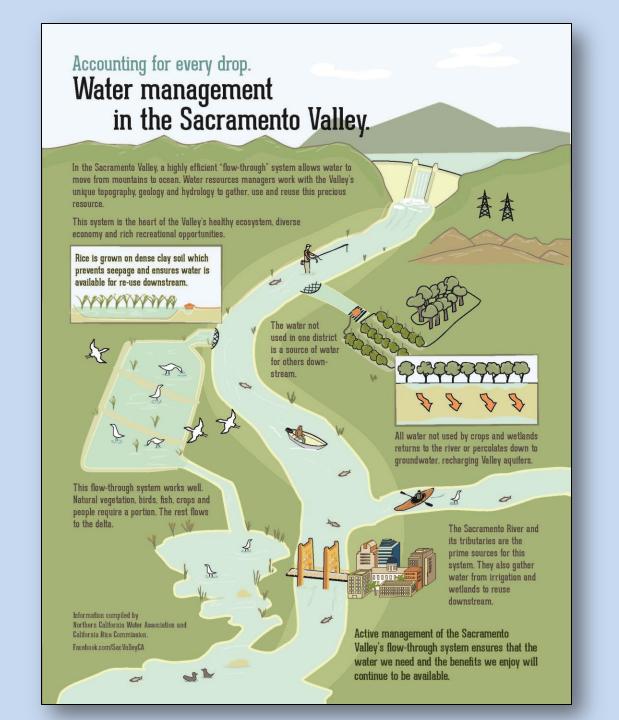


#### North of Delta Flow Criteria



#### State of the Art Instream Flows

- This suite of flow regimes provide a strong foundation for sustainability in the Sacramento Valley
- The plan addresses each of the stessors and will preserve and enhance all of the beneficial uses of water within the Bay-Delta watershed



### Sacramento River Coordination

**Upstream** Downstream

Maximize cold water storage and management.

Improve spawning habitat below reservoirs.

Manage cold water downstream of reservoirs with a fluctuating temperature control point.

Maintain constant flows downstream of reserviors to insure proper spawning habitat and avoid stranding.

Based on water year type, manage fish attraction flows appropriately.

Identify common release dates from all hatcheries north of the delta. Time with natural flow events and additional pulse flows.

Identify pulse flow needs based on release requirements.

Coordinate with water users to reduce diversions during pulse flows.

Coordinate delta operations for pulse flows, close cross channel gate and reduce exports.

### **Proposed SWRCB Process**

- Focused Synthesis
- June 2014 Water Quality
   Control Plan Update
  - Objectives
  - > Program of Implementation

